AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1-8. (cancelled)

9 (previously presented): A method for treating urinary tract infection, comprising administering an effective amount of at least one therapeutic agent which is an alpha-aminoamide compound of formula (I),

$$R-(CH_2)_{0.4} \xrightarrow{Z} CH_{0.1} \times CR_2R_3CONR_4R_3$$

$$(CH_2)_{1.2} \xrightarrow{R_1} CR_2R_3CONR_4R_3$$

wherein: R is a furyl, thienyl, or pyridyl ring or a phenyl ring, optionally substituted by one or two substituents independently selected from halogen, hydroxy, cyano, C1-C6 alkyl, C_{1} - c_{6} alkoxy or trifluoromethyl; * Ri is hydrogen or C_{1} - C_{6} alkyl or C_{3} - C_{7} cycloalkyl; R_{2} and R_{3} are independently selected from hydrogen; C_{1} - C_{4} alkyl, optionally substituted by hydroxy or phenyl, phenyl, the phenyl rings being optionally substituted by one or two substituents independently selected from C_{1} - C_{6} alkyl, halogen, hydroxy, C1-C6 alkoxy or trifluoromethyl; or R_{2} and R_{3} taken with the carbon atom which they are linked to, form a C_{3} - C_{6} cycloalkyl ring; # R_{4} , R_{5} are,

independently, hydrogen, C_1 - C_6 alkyl or C_3 - C_7 cycloalkyl; or R_4 and R_5 , taken together with the nitrogen atom they are linked to, form a 5-7 atom saturated heterocyclic ring; X is CH2, O, S; dz Z are hydrogen or taken together form a 5-7 saturated or unsaturated carbocycle or a heterocycle; or isomers, mixtures, and pharmaceutically acceptable salts thereof.

(previously presented): The method according to 10. claim 9, wherein the compound is selected from: 2- [(3-Benzyl-2, 3-dihydro-benzofuran-5-ylmethyl) -amino] propanamide; 2- [(3-Benzyl-2, 3-dihydro-benzofuran-5ylmethyl) -amino]-N-methyl- propanamide; 2- {3- [2- (2-Fluorobenzyl)]-2, 3-dihydro-benzofuran-5-ylmethyl}-amino)propanamide; $\langle BR \rangle \langle BR \rangle \langle BR \rangle \langle BR \rangle 2 - \{3-[2-(2-Fluoro-benzyl)] - (2-Fluoro-benzyl)\}$ 2, 3-dihydro-benzofuran-5-ylmethyl}-amino)-N- methylpropanamide; 2- {3- [2- (3-Fluoro-benzyl)]-2, 3-dihydrobenzofuran-5-ylmethyl}-amino)- propanamide;

 2- 3- [2- (3-Fluoro-benzyl)]-2, 3-dihydro-benzofuran-5ylmethyl}-amino)-N- methyl-propanamide; 2- [(3-Phenethyl-2, 3-dihydro-benzofuran-5-ylmethyl)-amino]-propanamide; 2- [(3-Phenethyl-2, 3-dihydro-benzofuran-5-ylmethyl)-amino]-N-methylpropanamide; 2- 3- [2- (2-Fluoro-phenethyl)]-2, 3-dihydrobenzofuran-5-ylmethyl}-amino)- propanamide; 2- 3- [2- (2-Fluoro-phenethyl)]-2, 3-dihydro-benzofuran-5-ylmethyl)-amino)-N-methyl-propanamide; 2- 3- [2- (3-Fluoro-phenethyl)]-2, 3dihydro-benzofuran-5-ylmethyl}-amino)- propanamide;

 $\langle BR \rangle \langle BR \rangle 2 - \{3 - [2 - (3 - Chloro - phenethyl)] - 2, 3 - dihydro$ benzofuran-5-ylmethyl}-amino)- propanamide;

 2- {3- [2- (3-Fluoro-phenethyl)]-2, 3-dihydro-benzofuran-5-ylmethyl}-amino)- N-methyl-propanamide; 2- [(3-Phenethyl-2, 3-dihydro-benzopyran-6-ylmethyl) -amino] -propanamide ; 2- [(4-Phenethyl-2, 3-dihydro-benzoxepin-7-ylmethyl)-amino]propanamide ; 2- [(3-Benzyl-2, 3-dihydro-benzothiophen-5ylmethyl)-amino]- propanamide ; 2- {3- [2-(2-Fluoro-benzyl)]-2, 3-dihydro-benzothiophen-5-ylmethyl}-amino)- propanamide; 2-{3- [2- (3-Fluoro-benzyl)]-2, 3-dihydro-benzothiophen-5ylmethyl} -amino) - propanamide; 2-[(3-Phenethyl-2,3-dihydrobenzothiophen-5-ylmethyl)-amino]-propanamide; 2-{3-[2-(2-Fluoro-phenethyl)]-2,3-dihydro-benzothiophen-5-ylmethyl}amino)-propanamide; $2-\{3-[2-(3-Fluoro-phenethyl)]-2, 3$ dihydro-benzothiophen-5-ylmethyl}- amino)-propanamide; 2- {3-[2- (3-Fluoro-phenethyl)]-2, 3-dihydro-benzothiophen-5ylmethyl}- amino)-N-methyl-prop anamide.

11. (previously presented): The method according to claim 9, wherein the compound is selected from: 2-(4-Phenethyl-benzylamino)-propanamide; 2-(4-Benzyloxybenzylamino)-propanamide; 2-(3-Benzyloxybenzylamino)-propanamide; 2-(4-Benzyloxy-Benzylamino)-propanamide; 2-(4-Benzyloxy-

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benzylamino)-3-N, N-dimethyl-butanamide; 2- [4- (2-
Methoxybenzyloxy)-benzylamino]-propanamide; 2- [4- (2-
Fluorobenzyloxy)-benzylamino]-propanamide; 2- [3- (2-
Fluorobenzyloxy)-benzylamino]-propanamide; 2- [4- (2-
Fluorobenzyloxy)-benzylamino]-propanamide; 2- [4- (2-
Fluorobenzyloxy)-benzylamino]-2-methyl-propanamide; 2- [4-
(2-Fluorobenzyloxy)-benzylamino]-N-methyl-propanamide; 2- [3-
(3-Fluorobenzyloxy)-benzylamino]-propanamide; 2- [4- (3-
Fluorobenzyloxy) -benzylamino] -propanamide ; 2- [4- (3-
Methoxybenzyloxy)-benzylamino]-propanamide; 2- [4- (3-
Cyanobenzyloxy)-benzylamino]-propanamide; 2- [4- (3-
Fluorobenzyloxy)-benzylamino]-propanamide; 2- [4- (3-
Fluorobenzyloxy)-benzylamino]-2-methyl-propanamide; 2- [4-
(3-Fluorobenzyloxy)-benzylamino]-N-methyl-propanamide; 2- [4-
(4-Fluorobenzyloxy)-benzylamino]-propanamide; 2- [4- (3-
Fluorobenzyloxy) -benzylamino] -2-methyl-propanamide; 2- [4-
(2-Chlorobenzyloxy)-benzylamino]-propanamide; 2- [4- (3-
Chlorobenzyloxy) -benzylamino] -propanamide ; 2- (4-
Benzyloxybenzylamino)-3-hydroxy-propanamide; 2- [4- (2-
Fluorobenzyloxy) -benzylamino] -3-hydroxy-propanamide; 2- [4-
(3-Fluorobenzyloxy)-benzylamino]-3-hydroxy-propanamide; 2-
(4-Benzyloxybenzylamino)-3-hydroxy-N-methyl-propanamide; 2-
[4- (2-Fluorobenzyloxy)-benzylamino]-3-hydroxy-N-methyl-
propanamide; 2- [4- (3-Fluorobenzyloxy)-benzylamino]-3-
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hydroxy-N-methyl-propanamide; 2- [4- (2-Chlorobenzyloxy)-
benzylamino]-3-hydroxy-N-methyl-propanamide; 2- [4- (3-
Cyanobenzyloxy)-benzylamino]-3-hydroxy-N-methyl-propanamide;
2- [4- (3-Cyanobenzyloxy)-benzylamino]-2-methyl-3-hydroxy-N-
methyl- propanamide; 2- [4- (3-Chlorobenzyloxy)-
phenylethylamino]-propanamide ; 2- {4- [2- (3-Fluorophenyl)-
ethyloxy] benzylamino}-propanamide; 2- {4- [2- (3-
Fluorophenyl)-ethyl] benzylamino}-propanamide; 2- [N- (4-
Benzyloxybenzyl)-N-methylamino]-propanamide; 2- 4- [ (3-
Chlorobenzyloxy)-phenylethyl]-amino}-propanamide; 2- [4-
Benzylthiobenzylamino]-propanamide; 2- [4- (2-
Fluorobenzylthio)-benzylamino]-propanamide; 2- [4- (3-
Fluorobenzylthio)-benzylamino]-propanamide; 2- [4- (3-
Phenylpropyloxy)-benzylamino]-propanamide; 2- [4- (4-
Phenylbutyloxy) -benzylamino] -propanamide; 2- [4- (5-
Phenylpentyloxy)-benzylamino]-propanamide; 2- (4-
Benzyloxybenzylamino)-3-phenyl-N-methyl-propanamide; 2- (4-
Benzyloxybenzylamino)-3-hydroxy-N-methyl-butanamide; 2- (4-
Benzyloxybenzylamino)-3-methyl-N-methyl-butanamide; 2- (4-
Benzyloxybenzylamino)-2-phenyl-acetamide; 2- [4- (2-
Fluorobenzyloxy)-benzylamino]-2-phenyl-acetamide; 2- [4- (3-
Fluorobenzyloxy)-benzylamino]-2-phenyl-acetamide; 2- [4- (2-
Fluorobenzyloxy) -benzyl-N-methylamino] -2-phenyl-acetamide; 2-
[4- (3-Fluorobenzyloxy)-benzyl-N-methylamino]-2-phenyl-
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acetamide; 2- [4- (3-Chlorobenzyloxy)-benzylamino]-2-phenylacetamide; 2- [4- (2-Fluorobenzyloxy)-benzylamino]-2- (2-fluorophenyl)-acetamide; 2- [4- (2-Fluorobenzyloxy)-benzylamino]-2- (3-fluorophenyl)-acetamide; 2- [4- (3-fluorobenzyloxy)-benzylamino]-2- (2-fluorophenyl)-acetamide; 2- [4- (3-Fluorobenzyloxy)-benzylamino]-2- (3-fluorophenyl)-acetamide; 2- [4- (3-Chlorobenzyloxy)-benzylamino]-2- (3-fluorophenyl)-acetamide; 2- (4- (2-Thienyloxy)-benzylamino)-propanamide.

- 12. (previously presented): The method of claim 9, wherein said lower urinary tract disorders are overactive bladder (OAB), prostatitis and prostadynia, interstitial cystitis, benign prostatic hyperplasia and urinary incontinence as the consequence of the above pathologies.

3S)-2- (4-Benzyloxybenzylamino)-3-hydroxy-N-methylbutanamide; (S)- (+)-2- [4- (3-fluorobenzyloxy)-benzylamino]N-methyl- propanamide, (S)- (+)-2- (4-phenethyl-benzylamino)propanamide, (R)- (-)-2- (4-benzyloxy-benzylamino)-3-N, Ndimethyl-butanamide, (S)- (+)-2- (4-benzylthiobenzylamino) propanamide, and 2- [(3-phenethyl-2, 3-dihydro-benzofuran-5ylmethyl)-amino]-N-methyl-propanamide and (2R/3'S, R)-2- [(3phenethyl-2,3-dihydro-benzo furan-5-ylmethyl)-amino]-N-methylpropanamide, 2- {3- [2- (2-fluoro-phenethyl)]-2, 3-dihydrobenzothiophen-5- ylmethyl}-amino)-propanamide, 2- {3- [2- (3Fluoro-phenethyl)]-2, 3-dihydro-benzothiophen-5-ylmethyl}amino)-propanamide, (2R/3'S, R)-2- {3- [2- (2-fluoro-phenethyl)]-amino)propanamide, (2R/3'S, R)-2- {3- [2- (3-Fluoro-phenethyl)]-2,
3-dihydro-benzothiophen-5-ylmethyl}-amino)-propanamide.

14. (currently amended): An α -aminoamide compound represented by the following of formula (I)[[,]]:

$$\begin{array}{c} Z \\ I \\ CH_{2})_{0.4} - (CH_{0-1} - X) \\ Y \\ & \begin{array}{c} CH_{2})_{1-2} - N - CR_{2}R_{3}CONR_{4}R_{5} \\ R_{1} \end{array}$$

wherein:

R is a furyl, thienyl, or pyridyl ring or a phenyl ring, optionally substituted by one or two substituents independently selected from halogen, hydroxy, cyano, C_1 - C_6 alkoxy or trifluoromethyl;

 R_1 is hydrogen or C_1 - C_6 alkyl or C_3 - C_7 cycloalkyl;

 R_2 and R_3 are independently selected from hydrogen,; C1-C4 $\underline{C_1-C_4}$ alkyl[[,]] optionally substituted by hydroxy or phenyl, phenyl[[,]] in which the phenyl rings being optionally substituted by one or two substituents independently selected from C_1-C_6 alkyl, halogen, hydroxy, C_1-C_6 alkoxy or trifluoromethyl; or R_2 and R_3 , taken with the carbon atom which they are linked to, form a $\underline{C_3-C_6}$ cycloalkyl ring;

 $R_4[[,]]$ and R_5 are [[,]] independently [[,]] hydrogen, C_1 - C_6 alkyl or C_3 - C_7 cycloalkyl; or R_4 and R_5 , taken together with the nitrogen atom they are linked to, form a 5-7 atom saturated heterocyclic ring;

X is $CH2CH_2$, O, or S; [[#]]

Y[[,]] and Z taken together form a dihydrobenzofuran—or,
a dihydrobenzothiophen, or a dihydrobenzo (thio) pyran, or a
tetrahydrobenz (thio) oxepin heterocycle[[,]] and/or

isomers, mixtures, and pharmaceutically acceptable salts thereof.

15. (currently amended): The compound according to claim 14, wherein said compound is selected from the group consisting of: 2-[(3-Benzyl-2,3-dihydro-benzofuran-5-ylmethyl)-amino]-propanamide; 2-[(3-Benzyl-2,3-dihydro-benzofuran-5-ylmethyl)-amino]-N-methyl-propanamide; 2-3-[2-(2-Fluoro-benzyl)]-2, 3-dihydro-benzofuran-5-ylmethyl)-amino)-propanamide 2-{3-[2-(2-Fluoro-benzyl)]-2, 3-dihydro-benzofuran-5-ylmethyl}-amino)-N-methyl-propanamide; 2-3-[2-(2-Fluoro-benzyl)]-2,3-dihydro-benzofuran-5-ylmethyl}-amino)-N-methyl-propanamide; 2-{3-[2-(2-Fluoro-benzyl)]-2,3-dihydro-benzofuran-5-ylmethyl}-amino)-propanamide; 2-{3-[2-(3-Fluoro-benzyl)]-2,3-dihydro-benzofuran-5-ylmethyl}-amino)-propanamide; 2-{3-[2-(3-Fluoro-benzyl)]-2,3-dihydro-benzofuran-5-ylmethyl}-amino)-N-methyl-propanamide; 2-[(3-benzofuran-5-ylmethyl)-amino)-N-methyl-propanamide; 2-[(3-benzofuran-5-ylmethyl)-amino)-N-me

Phenethyl-2,3-dihydro-benzofuran-5-ylmethyl)-amino]propanamide; 2-[(3-Phenethyl-2,3-dihydro-benzofuran-5ylmethyl)-amino]-N-methyl- propanamide; 2-{3-[2-(2-Fluorophenethyl)]-2,3-dihydro-benzofuran-5-ylmethyl} -amino)propanamide; $\langle BR \rangle \langle BR \rangle$ 2-{3-[2-(2-Fluoro-phenethyl)]-2, 3dihydro-benzofuran-5-ylmethyl}-amino)-N-methyl-propanamide; 2-{3-[2-(3-Fluoro-phenethyl)]-2,3-dihydro-benzofuran-5ylmethyl}-amino)-propanamide; 2-3-[2-(3-Chloro-phenethyl)]- 2,3-dihydro-benzofuran-5-ylmethyl}-amino)- propanamide 2-{3-[2-(3-Chloro-phenethyl)]-2,3-dihydro-benzofuran-5-ylmethyl}amino) - propanamide;
 2-(3-[2-(3-Fluoro-phenethyl)]-2,3-dihydro-bcnzofuran-5-ylmethyl]-amino)-N-methyl-propanamide 2-{3-[2-(3-Fluoro-phenethyl)]-2,3-dihydro-benzofuran-5ylmethyl}-amino)-N-methyl-propanamide; 2-[(3-Phenethyl-2,3dihydro-benzopyran-6-ylmethyl)-amino]-propanamide; 2-[(4-Phenethyl-2,3-dihydro-benzoxepin-7-ylmethyl)-amino]propanamide; 2-[(3-Benzyl-2,3-dihydro-benzothiophen-5ylmethyl)-amino]-propanamide; 2-{3-[2-(2-Fluoro-benzyl)]-2,3dihydro-benzothiophen-5-ylmethyl}-amino)-propanamide; 2-{3-[2-(3-Fluoro-benzyl)]-2,3-dihydro-benzothiophen-5-ylmethyl}amino)-propanamide; 2-[(3-Phenethyl-2, 3-dihydrobenzothiophen-5-ylmethyl)-amino]-propanamide; 2-3-[2-(2-Fluoro-phenethyl) -2,3-dihydro-benzothiophen-5-ylmethyl}amino)-propanamide 2-{3-[2-(2-Fluoro-phenethyl)]-2,3-dihydrobenzothiophen-5-ylmethyl}-amino)-propanamide; 2-{3-[2-(3-Fluoro-phenethyl)]-2,3-dihydro-benzothiophen-5-ylmethyl}amino)-propanamide; 2- {3-[2-(3-Fluoro-phenethyl)]-2,3dihydro-benzothiophen-5-ylmethyl}-amino)-N-methyl-propanamide;

or and isomers, mixtures, and or pharmaceutically acceptable salts thereof.

16. (currently amended): A pharmaceutical composition comprising a pharmaceutically acceptable excipient and, as an active agent, an effective amount of a the α -aminoamide compound according to claim 14.